(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 17 February 2005 (17.02.2005)

PCT

(10) International Publication Number WO 2005/015749 A1

(51) International Patent Classification7:

H03M 13/29

(21) International Application Number:

PCT/EP2004/004398

- (22) International Filing Date: 26 April 2004 (26.04.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03016896.7

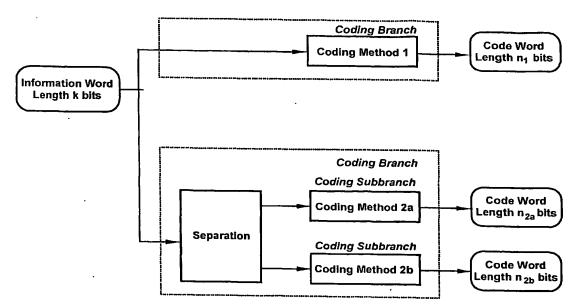
24 July 2003 (24.07.2003)

- (71) Applicant (for all designated States except US): MAT-SUSHITA ELECTRIC INDUSTRIAL CO., LTD. [JP/JP]; 1006, Oaza Kadoma, Kadoma-Shi, Kadoma-shi, Osaka 571-8501 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GOLITSCHEK EDLER VON ELBWART, Alexander [DE/DE]; Wilhelminenstr. 32, 64285 Darmstadt (DE). WENGERTER, Christian [DE/DE]; Bahnhofstr. 10d, 63924 Kleinheubach (DE). SEIDEL, Eiko [DE/DE]; Moosbergstrasse 79 a-b, 64285 Darmstadt (DE).

- (74) Agent: KUHL, Dietmar; Grünecker, Kinkeldey, Stockmair & Schwanhäusser, Anwaltssozietät, Maximilianstrasse 58, 80538 München (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: A METHOD, AN ENCODER AND COMMUNICATION DEVICE FOR INDIVIDUALLY ENCODING CODE **BLOCK SEGMENTS**



(57) Abstract: A method of encoding data in a code block comprising an information bit sequence in a communication device of a communication system comprising the step of separating the information bit sequence into a plurality of subsets of information bits. Each subset forming a code block segment. Further, the method comprises the step of encoding the code block segments individually using at least one encoding method. The invention also relates to a correspondingly adapted encoder and communication device to carry out the encoding method.





Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.